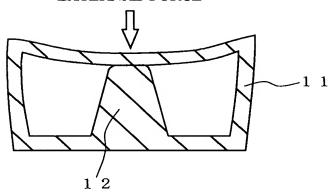


F I G. 1

EXTERNAL FORCE



F I G. 2

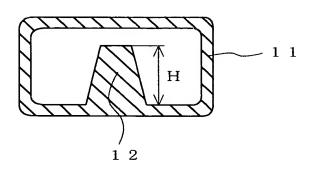
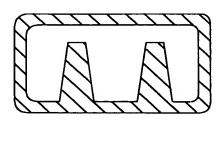


FIG. 3A



F I G. 3 B

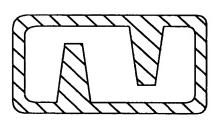


FIG. 3C

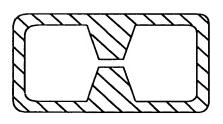


FIG. 3D

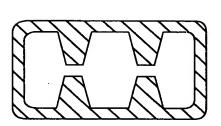
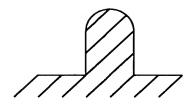
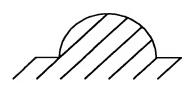


FIG. 3E

F I G. 4 A



F I G. 4 B



F I G. 4 C

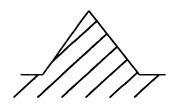


FIG. 4D

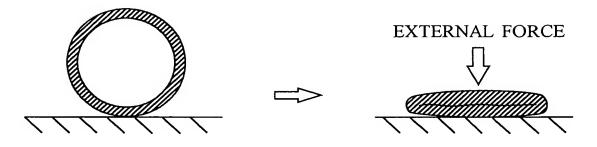
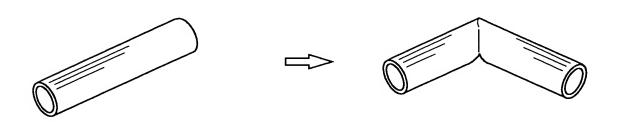


FIG. 5A



F I G. 5 B